

**(Use as many sheets as necessary)**

Application Number	10/634,718
Filing Date	08-05-2003
First Named Inventor	Daniel Fred Ortwein
Art Unit	1624
Examiner Name	Kahsay Habte
Attorney Docket Number	PC25319A

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>o</sup>
		Country Code* Number* Kind Code* (if known)				
KH ↓		WO 01/63244 A1	08-30-2001	Chen, et al		
		WO 00/09485 A1	02-24-2000	McClure, et al		
		WO 01/12611 A1	02-22-2001	Blagg		
		WO 02/34726 A2	05-02-2002	Noe, et al		
		WO 02/34753 A2, A3	05-02-2002	Bronk, et al		
		EP 0 935 963 A2	08-18-1999	McClure, et al		

1/3/2005

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Sheet	2	of	4
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
SM		EP 1 138 680 A1	10-04-2001	Noe		

Date Considered	1/3/2008
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		Art Unit	1624
		Examiner Name	Kahsay Habte
Sheet 3	of 4	Attorney Docket Number	PC25319A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
KH		HIROTA, et al., "Novel Synthesis of Pyrido[3,4-d]pyrimidines, Pyrido[2,3-d]-pyrimidines, and Quinazolines via Palladium-Catalyzed Oxidative coupling", Heterocycles, 1994; 37(1):563-570	
		CHEN, et al., "Structure-Based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design", J. Am. Chem. Soc., 2000; 122, 9648-9654	
		LOVEJOY, et al., "Crystal structures of MMP-1 and -13 reveal the structural basis for selectivity of collagenase inhibitors", Nature Structural Biol., 1999; 6:217-221	
		MOY, et al., High-resolution solution structure of the catalytic fragment of human collagenase-3 (MMP-13) complexed with a hydroxamic acid inhibitor", J. Mol. Biol., 2000; 302:671-689	
		MITCHELL, et al., "Cloning, Expression, and Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic Cartilage", J. Clin. Invest., 1996; 97(3):761-768	
		NEUHOLD, et al., "Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice", J. Clin. Invest., 2001; 107: 35-44	
		DAHLBERG, et al., "Selective Enhancement of Collagenase-Mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor that Spares Collagenase I (Matrix Metalloproteinase 1), Arthrit. & Rheum., 2000; 43(3): 673-682	
		BILLINGHURST, et al., "Comparison of the Degradation of Type II Collagen and Proteoglycan in Nasal and Articular Cartilages Induced by Interleukin-1 and the Selective Inhibition of Type II Collagen Cleavage by Collagenase", Arthrit. & Rheum., 2000; 43(3): 664-672	
		BILLINGHURST, et al., "Enhanced Cleavage of Type II Collagen by Collagenases in Osteoarthritic Articular Cartilage", J. Clin. Invest., 1997; 99:1534-1545	
✓		Office Action Mailed 06/16/2003 in U.S. Patent Application No. 10/264,764 (PC20536A)	

Examiner Signature		Date Considered	1/3/2005
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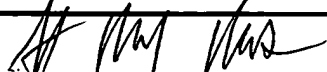
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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KH		FREEMONT, et al., "In situ zymographic localisation of type II collagen degrading activity in osteoarthritic human articular cartilage", Ann. Rheum. Dis. 1999; 58:357-365	
KN		REBOUL, et al., "the New Collagenase, Collagenase-3, Is Expressed and Synthesized by Human Chondrocytes but not by Synoviocytes", J.Clin.Invest., 1996; 97(9):2011-2019	
KN		WERNICKE, et al., "Cloning of Collagenase 3 from the Synovial Membrane and Its Expression in Rheumatoid Arthritis and Osteoarthritis", J. Rheum. 1996; 23(4):590-595	

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